

44-102 GP. 2502



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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SEP 09 1994

GROUP 2500

Serial No: 08/196,812

Filed: 02/02/94

Entitled: ELECTRONIC BALLAST WITH PARALLEL-TUNED OUTPUT CIRCUIT (NE)

Applicant: Ole K. Nilssen

Art Unit: 2502

Examiner: DAVID MIS

Applicant's phone number: 708-658-5615

I, OLE K. NILSEN, HEREWITH  
CERTIFY THAT THE DATE OF  
DEPOSIT WITH THE U.S. POSTAL  
SERVICE OF THIS PAPER OR FEE  
IS: 8-25-94

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AMENDMENT AFTER FINAL OFFICE ACTION

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Pursuant to telephone interview with Examiner on 08/24/94,  
Applicant provides the following response to Examiner's Final  
Office Action dated 08/04/94.

IN THE CLAIMS

Claims 47-51 are cancelled and replaced with the following  
new claims 93-97.

To cover the fee for the additional independent claim, a  
check (#4752) for \$74.00 is enclosed herewith.

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93. An arrangement comprising:

a source operative to provide, between a first and a  
second DC terminal, a DC voltage of substantially constant  
magnitude;

an inverter circuit connected with the DC terminals  
and functional to provide an inverter AC voltage between a  
reference terminal and an inverter output terminal; the inverter  
AC voltage being of frequency several times higher than 60 Hz  
and otherwise characterized in having a waveshape consisting  
of sinusoidally-shaped voltage pulses of alternating polarity;  
the inverter circuit including a tuned L-C circuit connected  
in circuit with the inverter output terminal and the reference  
terminal; the L-C circuit having a tank capacitor parallel-  
connected with a tank inductor and being resonant at or near  
the frequency of the inverter AC voltage; the inverter circuit

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